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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Endres, et al.

Title: HYBRID SOFT AND HARD DECISION FEEDBACK EQUALIZER

Examiner:

Serial no: 09/549368

Filed: April 14, 2000

Art unit: 2734

RECEIVED
AUG 17 2000
TC 2700 MAIL ROOM

PRELIMINARY AMENDMENT

Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:-

Prior to examination please amend the above identified pending patent application as follows:

IN THE CLAIMS:

Add claims 22-35 as follows:

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22. An apparatus in accordance with claim 21, wherein said soft decision samples are stored in said decision feedback equalizer filter in said first mode and used to adapt the parameters of said decision feedback equalizer filter using a first adaptation algorithm.

23. An apparatus in accordance with claim 22, wherein said first adaptation algorithm is a Constant Modulus Algorithm.

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